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Attorney Docket No. P04860US1

## Amendments To the Claims

Claims 1-6 (Canceled)

Claim 7 (Currently Amended):

A thin film chip resistor comprising:

a substrate;

a single metal thin film resistive layer directly attached to the substrate, the metal thin film layer being non-tantalum;

a chip resistor termination attached on each end of the metal thin film resistive layer; and an outer moisture barrier consisting of tantalum pentoxide directly overlaying and contacting the metal thin film resistive layer for reducing failures due to electrolytic corrosion under powered moisture conditions-; and

the outer moisture barrier formed from deposition of tantalum oxide and not through oxidation of tantalum.

Claim 8 (Original): The thin film resistor of claim 7 wherein the metal film layer is an alloy containing nickel.

Claim 9 (Original): The thin film resistor of claim 7 wherein the metal film layer is an alloy containing chromium.

Claim 10 (Original): The thin film resistor of claim 7 wherein the metal film layer is a nickel-chromium alloy.

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Claim 11 (Canceled)

Claim 12 (Original): The thin film resistor of claim 7 wherein the tantalum pentoxide layer is overlaid by sputtering.

Claim 13 (Currently Amended): A nickel-chromium alloy thin film chip resistor comprising: an alumina substrate;

a single nickel-chromium alloy thin film layer directly contacting the substrate;

a chip resistor termination attached on each end of the nickel-chromium alloy thin film; and an outer moisture barrier consisting of tantalum pentoxide directly overlaying and contacting the nickel-chromium alloy thin film layer for reducing failures due to electrolytic corrosion under powered moisture conditions; and

the outer moisture barrier formed from deposition of tantalum oxide and not through oxidation of tantalum.

Claim 14 (Canceled)

Claim 15 (Currently amended): A nickel-chromium alloy thin film chip resistor comprising: an alumina substrate;

- a single nickel-chromium alloy thin film layer directly contacting the substrate;
- a chip resistor termination attached on each end of the nickel-chromium alloy thing thin film;
- a passivation layer directly overlaying and contacting the nickel-chromium alloy layer; and

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an outer moisture barrier consisting of tantalum pentoxide directly overlaying and contacting the passivation layer for reducing failures due to electrolytic corrosion under powered moisture conditions; and

the outer moisture barrier formed from deposition of tantalum oxide and not through oxidation of tantalum.

Claim 16 (Canceled)